



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/816,049

03/31/2004

John W. Barrus

74451P161

9612

8791

7590

10/15/2008

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP
1279 OAKMEAD PARKWAY
SUNNYVALE, CA 94085-4040

EXAMINER

TRAN, QUOC A

ART UNIT

PAPER NUMBER

2176

MAIL DATE

DELIVERY MODE

10/15/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/816,049	Applicant(s) BARRUS, JOHN W.	
	Examiner Quoc A. Tran	Art Unit 2176	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 July 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-64, and 66- 77 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-64 and 66- 77 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 July 2008 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This is a Final Office Action. This action is responsive to Amendments/Remarks, which was filed on 07/25/2008.

Claims 1-64, and 66-77 are currently pending, with claims 1, 33, 34, and 61 being the independent claims. Claim 65 was previously canceled. Applicant has amended claims 1, 33-34, and 61-62 in amendments filed 07/25/2008.

The terminal disclaimer for copending patent application number 10/665,097 was filed on 09-14-2006 and was approved on 9/21/2006. Accordingly, the double patenting rejection was previously withdrawn in the Office Action dated 12/04/2006.

Based on the amendment to claims 1, 33-34, and 61-62 the objection to claims 3, 61-64 and 66-67, previously set forth is hereby withdrawn.

Also, it is noted; applicant amendment to the specification and drawings filed 07/25/2008 has been accepted.

Effective filing date is 03-31-2004, CIP of 10/404,916 filed **03-31-2003**
(Assignee: Ricoh).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-64 and 66-77 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Klotz, Jr.** et al. U.S. Patent No. 5,682,540 filed 12/08/1994 [hereinafter “Klotz”], in view of **Grasso**, et al. US 20020080387A1, filed 12/22/2000 [hereinafter “Grasso”].

Regarding ***independent claim 1***,

Klotz teaches:

A computer-implemented method comprising: receiving an image of an overview of a collection that comprises a first plurality of indication areas associated with a plurality of documents,

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82 and the document reduced images item 86 as illustrated in Fig. 4 below:

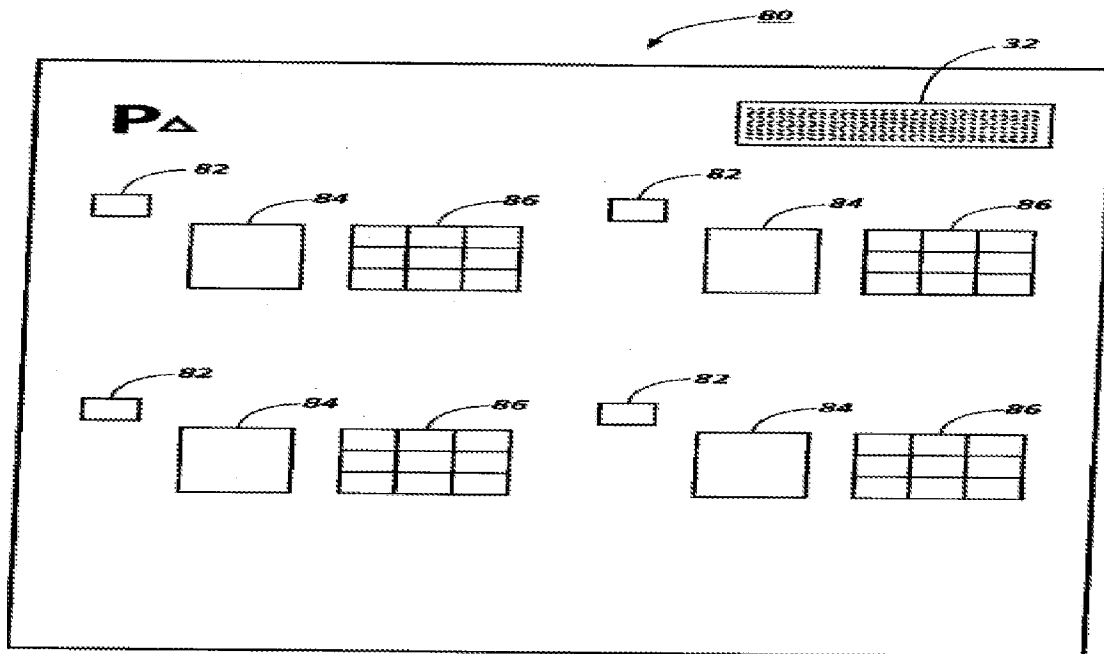


Fig. 4

and the identifying the at least one document from the plurality of documents is performed based on the first plurality of the indication areas in the image;

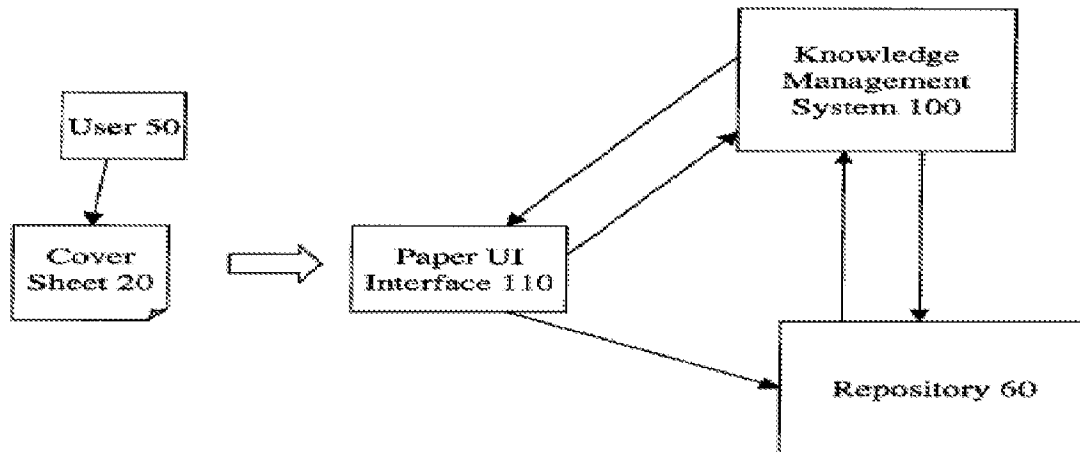
(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82 and the document reduced images item 86 as illustrated in Fig. 4 above. Also Klotz further discloses Marker 34 can be used by system 10 as a "flag" to distinguish the page as a document surrogate from ordinary pages. Marker 34 is optional in the sense that the other methods for "flagging" are available and are discussed below. It will be appreciated that the actual shape and location of marker 34 is arbitrary to the extent that the system is able to uniquely identify the page as a document surrogate, at Fig. 2A-3 and at Col. 5, Line 50-- >Col. 10 Line 15



and a second plurality of indication areas associated with a plurality of actions; identifying at least one action from the plurality of action set forth in the image;

(See Fig. 4 the Abstract and Para 19 and Para [0033]→ Grasso discloses this limitation in that the print cover sheet becomes an input, output and surrogate document, in that the coversheet included check boxes for selecting predefined services, such as storing, copying, printing, publishing, and deleting, add comments or rating. Also Grasso further illustrated at fig. 4, the cover sheet 20 may be used as an input/output device and surrogate document mechanism enabling access to both document repositories and associated knowledge management functionality (Paper UI--FlowPort).)

Figure 4



**identifying at least one document from the plurality of documents,
for at least one action identified from the plurality of actions wherein the
identifying the at least one action from the plurality of actions set forth in
the image is performed based on the second plurality of the indication
areas in the image,**

(See the Abstract and Para 19→ Grasso discloses this limitation in that the cover sheet becomes an input, output and surrogate document, in that the coversheet included check boxes for selecting predefine services, such as storing, copying, printing, publishing, deleting, add comments or rating. Also Grasso further illustrated at fig. 4, the cover sheet 20 may be used as an input/output device and surrogate document mechanism enabling access to both document repositories and associated knowledge management functionality (Paper UI--FlowPort).)

and performing the at least one action on the at least one document in response to the identifying the at least one action from the plurality of action set forth in the image and the identifying the at least one document the plurality of documents from the image.

(See the Abstract and Para 19→ Grasso discloses this limitation in that the cover sheet becomes an input, output and surrogate document, in that the coversheet included check boxes for selecting predefined services, such as storing, copying, printing, publishing, deleting, add comments or rating. Also Grasso further illustrated at fig. 4, the cover sheet 20 may be used as an input/output device and surrogate document mechanism enabling access to both document repositories and associated knowledge management functionality (Paper UI--FlowPort).)

Accordingly, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Klotz's teaching to include a means of said identifying at least one document from the second, and plurality of documents, wherein the identifying the at least one action from the plurality of actions set forth in the image is performed based on the second plurality of the indication areas in the image; and performing the at least one action on the at least one document in response to the identifying the at least one action from the plurality of action set forth in the image and the identifying the at least one document the plurality of documents from the image as taught by Grasso. One of the ordinary skills in the art would have been motivated to modify this combination, because they are from the same field of endeavor of document

Art Unit: 2176

management, and provides a predictable result of said to generate the coversheet use of the printer output cover sheet as a leisure-related, customized cover sheet which is used as a Paper UI input /output device - See Grasso at the Abstract and at Para 9.

*Regarding **independent claim 33,***

is fully incorporated similar subject of claim 1 cited above, and is similarly rejected along the same rationale. Thus, Klotz and Grasso disclose every limitation of Claim 33 and provide proper reasons to combine, as indicated in the above rejections for Claim 1.

In addition, Klotz teaches:

receiving, a machine readable pointer identifying the collection;

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82 and the document reduced images item 86 as illustrated in Fig. 4 above.)

**receiving a document index image that includes an overview of a
collection of documents that comprises a first plurality of check boxes
associated with a plurality of documents,**

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82. Klotz further discloses the

Art Unit: 2176

Document surrogate 40 has a human readable summary which comprises several reduced page images 36 from the original document as well as keyword section 42.

Keyword section 42 may include a list of commonly appearing words or phrases or it may contain section heading rifles. While keyword section 42 may be input directly by the user, it is possible that section 42 can be automatically generated directly from a stored document image, at Fig. 2A-3 and at Col. 5, Line 50-- >Col. 10 Line 15 of Klotz.)

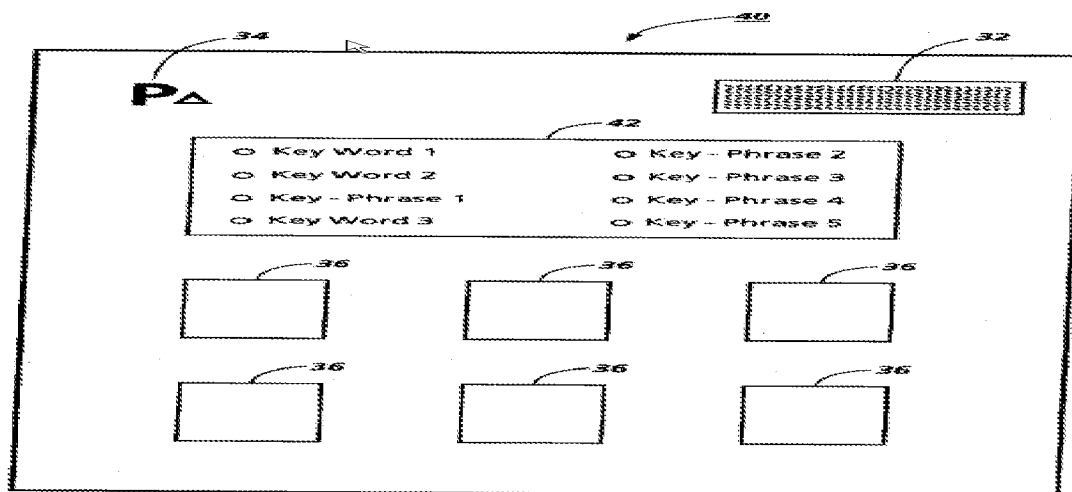


Fig. 2B

identifying the document from the plurality of documents for the first marked check box based on location of the first marked check box on the document index image, wherein the document is identified for the action identified from the plurality of actions from the document index image;

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82. Klotz further discloses the Document surrogate 40 has a human readable summary which comprises several reduced page images 36 from the original document as well as keyword section 42.

Art Unit: 2176

Keyword section 42 may include a list of commonly appearing words or phrases or it may contain section heading rifles. While keyword section 42 may be input directly by the user, it is possible that section 42 can be automatically generated directly from a stored document image, at Fig. 2A-3 and at Col. 5, Line 50-- >Col. 10 Line 15 of Klotz.)

locating, on the document index image, at least two marked Check boxes, wherein a first marked check box out of the first plurality of check boxes is associated with a document out the of documents,

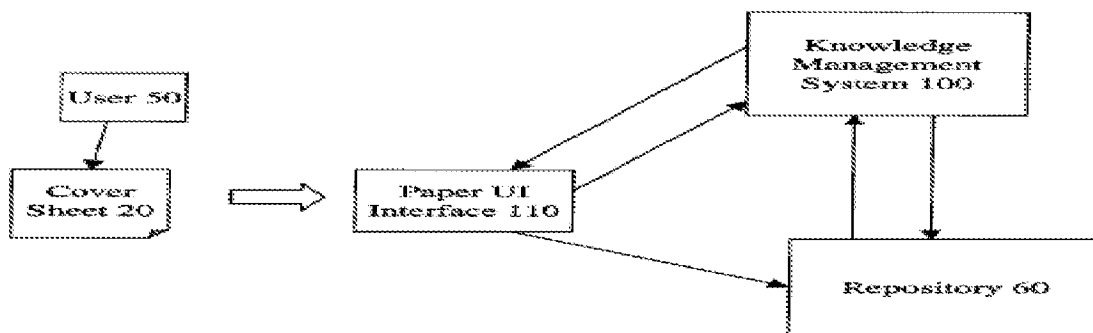
(Klotz further discloses the Document surrogate 40 has a human readable summary which comprises several reduced page images 36 from the original document as well as keyword section 42. Keyword section 42 may include a list of commonly appearing words or phrases or it may contain section heading rifles. While keyword section 42 may be input directly by the user, it is possible that section 42 can be automatically generated directly from a stored document image, at Fig. 2A-3 and at Col. 5, Line 50-- >Col. 10 Line 15 of Klotz.)

In addition Klotz does not expressly teach, but Grasso teaches:

and an action indication area that includes a second plurality of check boxes associated with a plurality of action; and a second check box out of the second plurality of check boxes is associated with an action out of the plurality of actions; identifying the action from the plurality of actions from the document index image for the second marked check box;

Art Unit: 2176

(See Fig. 4 the Abstract and Para 19 and Para [0033]→ Grasso discloses this limitation in that the print cover sheet becomes an input, output and surrogate document, in that the coversheet included check boxes for selecting predefined services, such as storing, copying, printing, publishing, and deleting, add comments or rating. Also Grasso further illustrated at fig. 4, the cover sheet 20 may be used as an input/output device and surrogate document mechanism enabling access to both document repositories and associated knowledge management functionality (Paper UI--FlowPort).)

Figure 4

Accordingly, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Klotz's teaching to include a means of said an action indication area that includes a second plurality of check boxes associated with a plurality of action; and a second check box out of the second plurality of check boxes is associated with an action out of the plurality of actions; identifying the action from the plurality of actions from the document index image for the second marked check box as taught by Grasso. One of the ordinary skills in the art would have been motivated to modify this combination, because they are from the same field of endeavor of document management, and provides a predictable result of said to generate the

Art Unit: 2176

coversheet use of the printer output cover sheet as a leisure-related, customized cover sheet which is used as a Paper UI input /output device - See Grasso at the Abstract and at Para 9.

*Regarding **independent claim 34:***

is fully incorporated similar subject of claim 1 cited above, and is similarly rejected along the same rationale. Thus, Klotz and Grasso disclose every limitation of Claim 34 and provide proper reasons to combine, as indicated in the above rejections for Claim 1.

*Regarding **independent claim 61:***

Claim 61 recites a system to implement a method recited in Claim 33. Thus, Klotz and Grasso disclose every limitation of Claim 61 and provide proper reasons to combine, as indicated in the above rejections for Claim 33- Also See Klotz at Fig.1, disclose computer system 10.)

In addition, Klotz teaches:

a document processor, couple to document identifier and A

document identifier, couple to a marked check box locator,

(See the Abstract → Klotz discloses this limitation in that the machine readable area comprises a document reference code that is readable (i.e. bar code) and recognizable by the document processing system.)

Claim 2:

Klotz and Grasso teach the method of claim 1 and further comprise:

identifying a location on the image of at least one indication area having a mark therein, the at least one indication area being associated with the at least one document; and identifying the at least one document based on the location of the at least one indication area having the mark therein.

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82 and the document reduced images item 86 as illustrated in Fig. 4 above.)

Claim 3:

Klotz and Grasso teach the method of claim 2 and further comprise:

one of the first plurality of check boxes in the image, wherein each of the first plurality of check boxes is associated with one of a plurality of graphics in the image, wherein each of the plurality of graphics is associated with one or more documents.

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82 and the document reduced

Art Unit: 2176

images item 86 as illustrated in Fig. 4 above.)

Claim 4:

Klotz and Grasso teach the method of claim 2 and further comprise:

wherein the collection overview comprises a plurality of representations of documents, and wherein identifying at least one document based on the location of the at least one indication area comprises identifying the at least one document corresponding to a document representation indicated by the mark in the at least one indication area;

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82 and the document reduced images item 86 as illustrated in Fig. 4 above.)

Claim 5:

Klotz and Grasso teach the method of claim 2 and further comprise:

wherein identifying the at least one document based on the location of the at least one indication area having the mark therein comprises: determining a coordinate location for the at least one indication area having the mark therein; and determining a coordinate location for at least one of the document representations; identifying a first document by comparing the coordinate location for at least one indication area having

the mark therein with the coordinate location for the at least one document representation.

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82 and the document reduced images item 86 as illustrated in Fig. 4 above.)

Claim 6:

Klotz and Grasso teach the method of claim 2 and further comprise:

wherein each of the at least one indication area comprises a check box.

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82 and the document reduced images item 86 as illustrated in Fig. 4 above.)

Claim 7:

Klotz and Grasso teach the method of claim 2 and further comprise:

wherein the indication area is located on top of a portion of a graphic representing at least one document in a collection.

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items

Art Unit: 2176

84, included documents check boxes (i.e. marked) item 82 and the document reduced images item 86 as illustrated in Fig. 4 above.)

Claim 8:

Klotz and Grasso teach the method of claim 1 and further comprise:

wherein the image includes a machine readable pointer to identify the collection.

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82 and the document reduced images item 86 as illustrated in Fig. 4 above.)

Claim 9:

Klotz and Grasso teach the method of claim 8 and further comprise:

wherein the machine readable pointer comprises a 2-D barcode.

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode (i.e. 2D) represented documents items 84, included documents check boxes (i.e. marked) item 82 and the document reduced images item 86 as illustrated in Fig. 4 above.)

Claim 10:

Klotz and Grasso teach the method of claim 1 and further comprise:

wherein receiving an image of an overview of the collection comprises capturing an image of the sheet and identifying at least one document by reading an RFID tag embedded in the sheet, the data on the RFID tag identifying the collection containing a document.

(See Column 7, Lines 25-40 → Klotz discloses this limitation in that a document surrogate may contain a check box on the face of the surrogate (Check box 38 in FIG. 2A) If, for example, the user places a check mark in box 38, system 10 will detect its presence (i.e. RFID tag).

Claim 11:

Klotz and Grasso teach the method of claim 1 and further comprise:

scanning a sheet having an identifier and having graphical content representing a collection of one or more media objects, wherein scanning the sheet results in creating the image.

(See Column 8 Lines 60-67 → Klotz discloses this limitation in that the document processing system 10 scans document surrogate 62 and parses the machine readable code resident on the surrogate. A flag indicates that the sheet is a document surrogate to be processed accordingly, and then remotely distributed as the hardcopy version of associated object 64 via facsimile transmission or any other means of distribution, as depicted as output terminal 18.)

Claim 12:

Klotz and Grasso teach the method of claim 1 and further comprise:

wherein the plurality of actions comprise two or more of a group consisting of printing, faxing, sending by electronic mail, deleting, grouping, ungrouping, and playing.

(See Para → Klotz discloses this limitation in that a document surrogate may contain a check box on the face of the surrogate. Check box 38 in FIG. 2A is exemplary. If, for example, the user places a check mark in box 38, system 10 will detect its presence.

Claim 13:

Cooper teaches the method of claim 1 and further comprises:

wherein identifying at least one action set forth in the image comprises identifying a location of a mark in an action indication area on the image.

(See the Abstract and Para 19→ Grasso discloses this limitation in that the cover sheet becomes an input, output and surrogate document, in that the coversheet included check boxes for selecting predefine services, such as storing, copying, printing, publishing, deleting, add comments or rating.)

Accordingly, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Klotz's teaching to include a means of said identifying at least one action set forth in the image comprises identifying a location

Art Unit: 2176

of a mark in an action indication area on the image as taught by Grasso. One of the ordinary skills in the art would have been motivated to modify this combination, because they are from the same field of endeavor of document management, and provides a predictable result of said to generate the coversheet use of the printer output cover sheet as a leisure-related, customized cover sheet which is used as a Paper UI input/output device - See Grasso at the Abstract and at Para 9.

Claim 14:

Klotz and Grasso teach the method of claim 1 and further comprise:

wherein the at least one documents comprises a collection of documents.

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50 → Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82 and the document reduced images item 86 as illustrated in Fig. 4 above.)

Claim 15:

Klotz and Grasso teach the method of claim 1 and further comprise:

wherein the at least one document is part of a stored collection, and further wherein the collection overview comprises a collection coversheet.

(See Column 8 Lines 60-67 → Klotz discloses this limitation in that the document processing system 10 scans document surrogate 62 and parses the machine readable

Art Unit: 2176

code resident on the surrogate. A flag indicates that the sheet is a document surrogate to be processed accordingly, and then remotely distributed as the hardcopy version of associated object 64 via facsimile transmission or any other means of distribution, as depicted as output terminal 18.)

Claim 16:

Klotz and Grasso teach the method of claim 15 and further comprise:

wherein the collection overview comprises a plurality of thumbnail depictions of documents.

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82 and the document reduced images item 86 (i.e. thumbnail) as illustrated in Fig. 4.)

Claim 17:

Klotz and Grasso teach the method of claim 15 and further comprise:

wherein the collection coversheet comprises a machine-readable collection identifier specifying a storage location for the collection, the method further comprising, prior to performing at least one action, retrieving the at least one document from the storage location.

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items

Art Unit: 2176

84, included documents check boxes (i.e. marked) item 82 and the document reduced images item 86 (i.e. thumbnail) as illustrated in Fig. 4. Further Klotz at the Abstract discloses the reference code encodes an indicator to the storage location of the associated objects.)

Claim 18:

Klotz and Grasso teach the method of claim 1 and further comprise:

wherein the collection overview comprises a list of documents.

(See Klotz at Column 4, Lines 1-5, teaching this limitation in that a catalog listing of multiple documents stored in the document processing system.)

Claim 19:

Klotz and Grasso teach the method of claim 1 and further comprise:

wherein the collection overview comprises a plurality of thumbnail depictions of documents.

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50 → Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82 and the document reduced images item 86 (i.e. thumbnail) as illustrated in Fig. 4. Further Klotz at the Abstract discloses the reference code encodes an indicator to the storage location of the associated objects.)

Art Unit: 2176

Claim 20:

Klotz and Grasso teach the method of claim 1 and further comprise:

**wherein the collection overview comprises a plurality of icons
representing documents.**

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82 and the document reduced images item 86 (i.e. icons) as illustrated in Fig. 4. Further Klotz at the Abstract discloses the reference code encodes an indicator to the storage location of the associated objects.)

Claim 21:

Klotz and Grasso teach the method of claim 1 and further comprise:

**wherein the at least one action specifies a grouping action, and
wherein the at least one document comprises two or more documents, and
wherein performing the at least one action comprises grouping the two or
more documents.**

(See the Abstract and Para 19→ Grasso discloses this limitation in that the cover sheet becomes an input, output and surrogate document, in that the coversheet included check boxes for selecting predefined services, such as storing, copying, printing, publishing, and deleting, add comments or rating.)

Art Unit: 2176

Accordingly, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Klotz's teaching to include a means of said at least one action specifies a grouping action, and wherein the at least one document comprises two or more documents, and wherein performing the at least one action comprises grouping the two or more documents as taught by Grasso. One of the ordinary skills in the art would have been motivated to modify this combination, because they are from the same field of endeavor of document management, and provides a predictable result of said to generate the coversheet use of the printer output cover sheet as a leisure-related, customized cover sheet which is used as a Paper UI input/output device - See Grasso at the Abstract and at Para 9.

Claim 22:

Klotz and Grasso teach the method of claim 20 and further comprise:

wherein grouping the two or more documents comprises forming a sub-collection comprising the two or more documents.

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82 and the sub-document as reduced images item 86 as illustrated in Fig. 4.)

Claim 23:

Klotz and Grasso teach the method of claim 1 and further comprise:

wherein the at least one action comprises transmitting the at least one document to a destination, the method further comprising determining a destination.

(See at Column 2, Lines 55-65, Lines → Klotz discloses this limitation in that the document surrogates can then be scanned and transmitted to the document processing system via a remote facsimile transmission or other transmission means.)

Claim 24:

Klotz and Grasso teach the method of claim 23 and further comprise:

wherein determining a destination comprises receiving user input specifying a destination.

(See at Column 8, Line 65 → Klotz discloses this limitation in that the distribution addresses might be supplied by some user interface.)

Claim 25:

Klotz and Grasso teach the method of claim 23 and further comprise:

wherein determining a destination comprises reading an indicator of a destination from the image.

(See at Column 8, Line 65 → Klotz discloses this limitation in that the distribution addresses might be supplied by some user interface, such as a panel on the front of system item 10.)

Art Unit: 2176

Claim 26:

Klotz and Grasso teach the method of claim 23 and further comprise:

wherein determining a destination,

(See at Column 8, Line 65 → Klotz discloses this limitation in that the distribution addresses might be supplied by some user interface, such as a panel on the front of system item 10.)

In addition Klotz does not expressly teach, but Grasso teaches:

wherein determining a destination comprises reading an indicator of a destination from an action indication area in the image.

(See the Abstract and Para 19→ Grasso discloses this limitation in that the cover sheet becomes an input, output and surrogate document, in that the coversheet included check boxes for selecting predefine services, such as storing, copying, printing, publishing, deleting, add comments or rating.)

Accordingly, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Klotz's teaching to include a means of said determining a destination comprises reading an indicator of a destination from an action indication area in the image as taught by Grasso. One of the ordinary skills in the art would have been motivated to modify this combination, because they are from the same field of endeavor of document management, and provides a predictable result of said to generate the coversheet use of the printer output cover sheet as a leisure-related, customized cover sheet which is used as a Paper UI input /output device - See

Art Unit: 2176

Grasso at the Abstract and at Para 9.

Claim 27:

Klotz and Grasso teach the method of claim 23 and further comprise:

wherein determining a destination comprises determining at least one selected from the group consisting of an e-mail address; a fax number; a uniform resource locator; a telephone number; and a mailing address;

(See at Column 8, Line 65 → Klotz discloses this limitation in that the distribution addresses (i.e. e-mail address; a fax number; a uniform resource locator; a telephone number; and a mailing address) might be supplied by some user interface, such as a panel on the front of system item 10.)

Claim 28:

Klotz and Grasso teach the method of claim 1 and further comprise:

wherein receiving the image of a document index comprises receiving an e-mail message containing the image of the document index;

(See at Column 8, Line 65 → Klotz discloses this limitation in that the distribution addresses (i.e. e-mail address; a fax number; a uniform resource locator; a telephone number; and a mailing address) might be supplied by some user interface, such as a panel on the front of system item 10. Further Klotz discloses the document processing system wherein an associated one of said one or more document processing functions is a distribution by electronic mail at Column 18, Line 19 and art Column 5, Lines 25-

Art Unit: 2176

30.)

Claim 29:

Klotz and Grasso teach the method of claim 1 and further comprise:

**wherein receiving the image of a document index comprises
receiving a fax message containing the image of the document index.**

(See at Column 8, Line 65 → Klotz discloses this limitation in that the distribution addresses (i.e. e-mail address; a fax number; a uniform resource locator; a telephone number; and a mailing address) might be supplied by some user interface, such as a panel on the front of system item 10. Further Klotz discloses at Column 13, Lines 35-50, the document processing system wherein an associated one of said one or more document processing functions is a fax primitives that includes fax page.)

Claim 30:

Klotz and Grasso teach the method of claim 1 and further comprise:

**determining the at least one action by performing optical character
recognition on an action indication area.**

(See the Abstract and Para 11 and 19→ Grasso discloses this limitation in that the cover sheet becomes an input, output and surrogate document, in that the coversheet included check boxes for selecting predefined services, such as faxed or scanned or copied.)

Accordingly, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Klotz's teaching to include a means of said determining the at least one action by performing optical character recognition on an action indication area as taught by Grasso. One of the ordinary skills in the art would have been motivated to modify this combination, because they are from the same field of endeavor of document management, and provides a predictable result of said to generate the coversheet use of the printer output cover sheet as a leisure-related, customized cover sheet which is used as a Paper UI input /output device - See Grasso at the Abstract and at Para 9.

Claim 31:

Klotz and Grasso teach the method of claim 8 and further comprise:

**wherein the machine readable identifier comprises an identifier
specifying a storage location,**

(See Figures 4 items 32, 84, 86 and at Column 13, Lines 50→ Column 14, Line 45 → Klotz discloses this limitation in that item 32 is a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82 and the document reduced images item 86 (i.e. icons) as illustrated in Fig. 4. Further Klotz at the Abstract discloses the reference code encodes an indicator to the storage location of the associated objects.)

Art Unit: 2176

In addition Klotz does not expressly teach, but Grasso teaches:

and the method further comprising, prior to performing the at least one action, retrieving the at least one document from the storage location.

(See the Abstract and Para 11 and 19→ Grasso discloses this limitation in that creating and using forms. These forms are summaries (hereinafter "document surrogates") of associated objects, such as original documents, processes, or their copies, stored in a document processing system, wherein the cover sheet becomes an input, output and surrogate document, in that the coversheet included check boxes for selecting predefined services, such as faxed or scanned or copied.)

Accordingly, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Klotz's teaching to include a means of said performing the at least one action, retrieving the at least one document from the storage location as taught by Grasso. One of the ordinary skills in the art would have been motivated to modify this combination, because they are from the same field of endeavor of document management, and provides a predictable result of said to generate the coversheet use of the printer output cover sheet as a leisure-related, customized cover sheet which is used as a Paper UI input /output device - See Grasso at the Abstract and at Para 9.

Claim 32:

Klotz and Grasso teach the method of claim 8 and further comprise:

prior to performing the at least one action, retrieving the at least one document from a storage device,

(See the Abstract and Para 11 and 19→ Grasso discloses this limitation in that creating and using forms. These forms are summaries (hereinafter "document surrogates") of associated objects, such as original documents, processes, or their copies, stored in a document processing system, wherein the cover sheet becomes an input, output and surrogate document, in that the coversheet included check boxes for selecting predefined services, such as faxed or scanned or copied.)

Accordingly, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Klotz's teaching to include a means of said performing the at least one action, retrieving the at least one document from the storage location as taught by Grasso. One of the ordinary skills in the art would have been motivated to modify this combination, because they are from the same field of endeavor of document management, and provides a predictable result of said to generate the coversheet use of the printer output cover sheet as a leisure-related, customized cover sheet which is used as a Paper UI input /output device - See Grasso at the Abstract and at Para 9.

Claims 35-38 respectively:

The rejection of claims 2, 3, 6, and 7 respectively, fully incorporated, and are rejected along the same rationale.

Art Unit: 2176

Claims 39:

The rejection of claim 10 fully incorporated, and is rejected along the same rationale.

Claims 40-44 (respectively):

The rejection of claims 11-15 respectively, fully incorporated, and are rejected along the same rationale.

Claims 45-50 (respectively):

The rejection of claims 15-20 respectively, fully incorporated, and are rejected along the same rationale.

Claims 51-60 (respectively):

The rejection of claims 23-32 respectively, fully incorporated and are rejected along the same rationale

Claims 62-63, 64, and 66-67 (respectively):

The rejection of claims 6, 7, 11, 14, and 3 respectively, fully incorporated, and are rejected along the same rationale.

Art Unit: 2176

Claims 68-71:

The rejection of claims 15, 15, 16, and 17 respectively, fully incorporated, and are rejected along the same rationale.

Claim 72:

The rejection of claim 5, fully incorporated, and is rejected along the same rationale.

Claims 73-77:

The rejection of claims 18, 16, 23, and 28 respectively, fully incorporated, and are rejected along the same rationale.

It is noted that any citations to specific, pages, columns, lines, or figures in the prior art references and any interpretation of the references should not be considered to be limiting in any way. A reference is relevant for all it contains and may be relied upon for all that it would have reasonably suggested to one having ordinary skill in the art. See, MPEP 2123.

Response to Arguments

Brief description of cited prior art:

Klotz discloses a method and system for representing document surrogates of associated objects, such as original documents, processes, or their copies, stored in a document processing system. A document surrogate comprises at least one sheet of information storing substrate material that has a human readable area and a machine readable area. The human readable area may contain at least one area of material which summarizes the associated object. Such a summary may either be made manually by the user or created automatically by the document processing system. The machine readable area comprises a document reference code that is readable and recognizable by the document processing system. The code is located by the system and recognized from an image of the entire page [at the Abstract of Grasso]. Also Grasso further discloses the details processes of a barcode represented documents items 84, included documents check boxes (i.e. marked) item 82 wherein the Document surrogate 40 has a human readable summary which comprises several reduced page images 36 from the original document as well as keyword section 42. Keyword section 42 may include a list of commonly appearing words or phrases or it may contain section heading rifles. While keyword section 42 may be input directly by the user, it is possible that section 42 can be automatically generated directly from a stored document image, at [Fig. 2A-3 and at Col. 5, Line 50-- >Col. 10 Line 15 of Klotz].

Grasso discloses the print cover sheet as an input, output and surrogate document, wherein the coversheet included check boxes for selecting predefined services, such as storing, copying, printing, publishing, and deleting, add comments or rating [e.g. plurality of actions]. Also Grasso further illustrated at fig. 4, the cover sheet 20 may be used as an input/output device and surrogate document mechanism enabling access to both document repositories and associated knowledge management functionality (Paper UI--FlowPort). This is generally discloses at [Fig. 4 the Abstract and Para 19 and Para [0033] of Grasso].

Response to Remarks:

Beginning on pages 18 of 22 of the Remarks [hereinafter "the remarks"], Applicant argues the following issues, which are accordingly addressed below.

Regarding the Specification, Drawings and claims Objections:

Based on the amendment to claims 1, 33-34, and 61-62 the objection to claims 3, 61-64 and 66-67, previously set forth is withdrawn. Also, it is noted; applicant amendment to the specification and drawings filed 07/25/2008 has been accepted and further clarification in the remarks Page 18, Line 1→Page 19, Line 9.

Regarding 103(a) rejections of claims 1-64 and 66-77 of Klotz in view of Grasso:

First, applicant asserts that the proposed combination [of Klotz, and Grasso] when considered as a whole does not teach or suggest the claimed feature that

Art Unit: 2176

["second plurality of indication areas associated with a plurality of actions; and identifying at least one action from the plurality of actions set forth in the image, wherein the identifying the at least one action from the plurality of actions set forth in the image is performed based on the second plurality of the indication areas in the image"] as recited in claim 1- [the remarks Page 19 Lines 20-24], because Koltz merely discloses *"selecting a document on the surrogate"*, [the remarks Page 20 Lines 1-24].

For purposes of responding to Applicant's arguments, the examiner will assume that the Applicant is arguing for the patentability of Claim 1.

The Examiner disagrees.

As discuss above and in previously Office Action mailed 04/28/2008. As recognized by the Examiner, Klotz's document surrogates of associated objects, such as original documents, processes, or their copies, stored in a document processing system. A document surrogate comprises at least one sheet of information storing substrate material that has a human readable area and a machine readable area. The human readable area may contain at least one area of material which summarizes the associated object. Such a summary may either be made manually by the user or created automatically by the document processing system. The machine readable area comprises a document reference code that is readable and recognizable by the document processing system. The code is located by the system and recognized from

Art Unit: 2176

an image of the entire page [at the Abstract and at Fig. 2A-3 and at Col. 5, Line 50-->Col. 10 Line 15 of Klotz],

In addition, "What matters is the objective reach of the claim. If the claim extends to what is obvious, it is invalid under § 103." KSR Int'l Co. v. Teleflex, Inc., 127 S. Ct. 1727, 1742 (2007). To be nonobvious, an improvement must be "more than the predictable use of prior art elements according to their established functions." Id. at 1740.

In this case, the Examiner's analysis, Klotz does not expressly teach the use of second plurality of indication areas associated with a plurality of actions.... on the second plurality of the indication areas in the image. On the other hand, in what is fairly characterized as analogous art in accordance with the above-noted case law, that Grasso discloses the print cover sheet as an input, output and surrogate document, wherein the coversheet included check boxes for selecting predefined services, such as storing, copying, printing, publishing, and deleting, add comments or rating [e.g. plurality of actions]. Also Grasso further illustrated at fig. 4, the cover sheet 20 may be used as an input/output device and surrogate document mechanism enabling access to both document repositories and associated knowledge management functionality (Paper UI--FlowPort). This is generally discloses at [Fig. 4 the Abstract and Para 19 and Para [0033] of Grasso].

Therefore, the artisan would have well appreciated that Grasso's Paper UI--FlowPort utilized the coversheet included check boxes for selecting predefined services,

Art Unit: 2176

such as storing, copying, printing, publishing, and deleting, add comments or rating [e.g. plurality of actions], wherein the table UI is a surrogate document of Klotz [Fig. 2A-3 and at Col. 5, Line 50-- >Col. 10 Line 15].

Thus, Klotz and Grasso clearly disclose second plurality of indication areas associated with a plurality of actions; and identifying at least one action from the plurality of actions set forth in the image, wherein the identifying the at least one action from the plurality of actions set forth in the image is performed based on the second plurality of the indication areas in the image, as recited in claim 1, and provided proper reasons to combine.

Second, applicant asserts that the proposed combination [of Gorbet, and Kellock] when considered as a whole does not teach or suggest the claimed feature that [*"identifying the at least one action from the plurality of actions set forth in the image "*] as recited in claim 1- [the remarks Page 20 Lines 25-28, because Grasso merely discloses "*selecting services on the cover sheet*", [the remarks Page 21 Lines 4-5].

For purposes of responding to Applicant's arguments, the examiner will assume that the Applicant is arguing for the patentability of Claim 1.

The Examiner disagrees.

As discuss above and in previously Office Action mailed 04/28/2008. As recognized by the Examiner, Klotz's document surrogates of associated objects, such as original documents, processes, or their copies, stored in a document processing system. A document surrogate comprises at least one sheet of information storing substrate material that has a human readable area and a machine readable area. The human readable area may contain at least one area of material which summarizes the associated object. Such a summary may either be made manually by the user or created automatically by the document processing system. The machine readable area comprises a document reference code that is readable and recognizable by the document processing system. The code is located by the system and recognized from an image of the entire page [at the Abstract and at Fig. 2A-3 and at Col. 5, Line 50-->Col. 10 Line 15 of Klotz],

In addition, "What matters is the objective reach of the claim. If the claim extends to what is obvious, it is invalid under § 103." KSR Int'l Co. v. Teleflex, Inc., 127 S. Ct. 1727, 1742 (2007). To be nonobvious, an improvement must be "more than the predictable use of prior art elements according to their established functions." Id. at 1740.

In this case, the Examiner's analysis, Klotz does not expressly teach the use of second plurality of indication areas associated with a plurality of actions.... on the second plurality of the indication areas in the image. On the other hand, in what is fairly characterized as analogous art in accordance with the above-noted case law, that

Art Unit: 2176

Grasso discloses the print cover sheet as an input, output and surrogate document, wherein the coversheet included check boxes for selecting predefined services, such as storing, copying, printing, publishing, and deleting, add comments or rating [e.g. plurality of actions]. Also Grasso further illustrated at fig. 4, the cover sheet 20 may be used as an input/output device and surrogate document mechanism enabling access to both document repositories and associated knowledge management functionality (Paper UI--FlowPort). This is generally discloses at [Fig. 4 the Abstract and Para 19 and Para [0033] of Grasso]. Therefore, the artisan would have well appreciated that Grasso's Paper UI--FlowPort utilized the coversheet included check boxes for selecting predefined services, such as storing, copying, printing, publishing, and deleting, add comments or rating is equivalent to "*plurality of actions*" as claimed.

This interpretation is supported by the applicant's disclosure, which is stated, "Some Example of check boxes....actions include: print check box...email or fax check box...." see disclosure at [page 24 Para [0067→0073] and at fig. 3 item 515].

Therefore, the artisan would have well appreciated that Grasso's Paper UI--FlowPort utilized the coversheet included check boxes for selecting predefined services, such as storing, copying, printing, publishing, and deleting, add comments or rating [e.g. plurality of actions], wherein the table UI is a surrogate document of Klotz [Fig. 2A-3 and at Col. 5, Line 50-- >Col. 10 Line 15].

Thus, Klotz and Grasso clearly disclose second plurality of indication areas associated with a plurality of actions; and identifying at least one action from the plurality of actions set forth in the image, wherein the identifying the at least one action from the plurality of actions set forth in the image is performed based on the second plurality of the indication areas in the image, as recited in claim 1, and provided proper reasons to combine.

Accordingly, based upon all the above evidence, thus Klotz and Grasso clearly disclose all the limitation of claim 1 and provided proper reasons to combine. Thus claim 1 remains rejected at this time.

Also for at least the same evidence, thus Klotz and Grasso clearly disclose all the limitation of claims 2-64 and 66-77 and provided proper reasons to combine. Thus claims 2-64 and 66-77 remains rejected at this time.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

Art Unit: 2176

shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quoc A. Tran whose telephone number is 571-272-8664. The examiner can normally be reached on Monday through Friday from 9 AM to 5 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doug Hutton can be reached on 571-272-4137. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Quoc A. Tran/
Examiner, Art Unit 2176

/Doug Hutton/
Doug Hutton
Supervisory Primary Examiner
Technology Center 2100